



Natural Gas STAR Methane Challenge Program Implementation Plan

Partner Name

Current as of (date)

Partner Implementation Manager

Name: _____

Title: _____

Address: _____

City/State/Zip: _____

Telephone/Fax: _____

E-mail: _____

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Natural Gas STAR Methane Challenge Program Implementation Plan

Partner Methane Challenge Commitments¹

BMP Commitment Option

	Source	Start Date	Achievement Year
Onshore Production			
<input type="checkbox"/>	Pneumatic Controllers		
<input type="checkbox"/>	Fixed Roof, Atmospheric Pressure Hydrocarbon Liquid Storage Tanks		
Gathering and Boosting			
<input type="checkbox"/>	Pneumatic Controllers		
<input type="checkbox"/>	Fixed Roof, Atmospheric Pressure Hydrocarbon Liquid Storage Tanks		
<input type="checkbox"/>	Reciprocating Compressors - Rod Packing Vent		
<input type="checkbox"/>	Centrifugal Compressors - Venting		
Natural Gas (NG) Processing			
<input type="checkbox"/>	Reciprocating Compressors - Rod Packing Vent		
<input type="checkbox"/>	Centrifugal Compressors - Venting		
NG Transmission & Underground Storage			
<input type="checkbox"/>	Reciprocating Compressors - Rod Packing Vent		
<input type="checkbox"/>	Centrifugal Compressors - Venting		
<input type="checkbox"/>	Transmission Pipeline Blowdowns between Compressor Stations		
<input type="checkbox"/>	Pneumatic Controllers		
NG Distribution			
<input type="checkbox"/>	Mains – Cast Iron and Unprotected Steel (<i>Commitment Rate:</i>)		
<input type="checkbox"/>	Services – Cast Iron and Unprotected Steel		
<input type="checkbox"/>	Distribution Pipeline Blowdowns (<i>Commitment Rate:</i>)		
<input type="checkbox"/>	Excavation Damages		

Partner Methane Challenge Commitments

ONE Future Emissions Intensity Commitment Option

Segment:		Intensity Target:		Target Year:	
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¹ Partners may delete unused rows within the table, and may duplicate rows and add relevant details as needed (e.g., a corporate parent partner that has different commitments for each LDC can duplicate relevant rows to list the commitments for each LDC).

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Milestones/Timeframes for Meeting Commitments

Provide information on steps for achieving commitments such as anticipated rate of progress, key milestones, or other context (e.g., referencing work to be done during the next planned shutdown of a facility).

Empire Methane Challenge Program(s)

The program(s) will commence in 2018 for Empire Pipeline, Inc. (Empire) transmission compressor station. In fall 2018, the Methane Challenge MOU was executed with EPA. Annual reports will be submitted by June 30 after the first full calendar year of being in the program, with the first report submitted by June 30, 2020. The program will be implemented at the facility over a two year period (2018 - 2019), with anticipated interim milestones as follows.

Empire natural gas transmission compressor station:

- 2018 - 2019 facility - GHG Reporting Program facility;

Pneumatic Controllers

Key Program Elements include:

1. Evaluate and develop schedule (2018);
2. Conduct field equipment survey and device count verification for the GHG reporting program facility in 2018.
3. Document pneumatic device emission reduction strategy - i.e., replace high bleed devices when practical; ensure device functionality; evaluate air systems.
4. Prioritize pneumatic device replacements based on field survey.
5. Implement program.
6. Document results annually as actions occur - e.g., emission reductions and costs.
7. Reduction estimates will be based on vent rate specifications from vendor. Annual facility-level reporting by June 30.

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Additional Information/Context (optional)

Use this space, if desired, to provide other information about Program participation, such as plans for expanding Methane Challenge commitments, how historical actions informed Methane Challenge commitments, or other information on how the Program will be implemented.

Methane Program Continuous Improvements

As a Partner of the Methane Challenge Program, Empire is committed to continuously analyzing potential new and innovative approaches for further methane reduction initiatives through technology enhancement and improved work practices. Empire plans to commit to future effective BMP's, once available, as EPA follows their proposal process for evaluating new and innovative approaches and finalizes for utilization. In addition, Empire looks forward to actively participating in EPA's BMP proposal process.